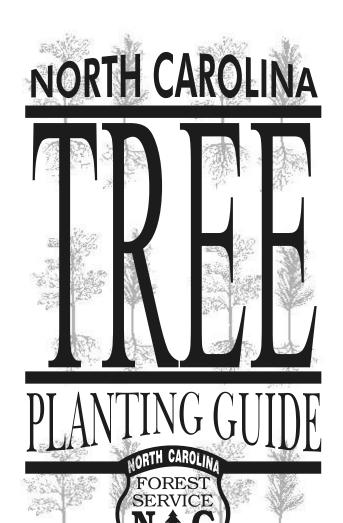
Hardwoods 4							
SPECIES	MOUNTAIN	PIEDMONT	COASTAL Plain	RECOMMENDED 5			
Black Walnut	12' x12'						
Cherry Bark Oak	Not Recommended	Eastern Piedmont Only 10'x10'		Bottomlands (Well Drained)			
Swamp Chestnut Oak	Not Recommended	Eastern Piedmont Only 10'x10'					
Sweet Gum	Not Recommended	8' x10'					
Sycamore	Below 2500' 10' x10'						
Yellow Poplar	10' x10'						
Green Ash	8' x10'						
Sweet Gum	Not Recommended	8' x1	0'	Bottomlands (Moderately			
Water Oak	Not Recommended	Eastern Piedmont Only 10'x10'		Well Drained)			
Willow Oak	Not Recommended	10' x10'					
Green Ash	Not Recommended	8' x10'		Bottomlands (Poorly Drained)			
Tupelo Gum	Not Recommended 8' x10'		Swamp				
Black Cherry	Above 3000' 8'x10'	Not Recommended					
Black Locust	8' x1	O' Not Recommended					
Black Walnut	12' x12'						
Northern Red Oak	10' x10'	Not Recommended		Coves & Lower			
Southern Red Oak	Below 2000' 10'x10'		Slopes Adjacent To Streams				
Sugar Maple	Above 2000' 8'x10'	Not Recommended		(Moist Fertile Soil)			
White Ash	10'x10'	Northern Coastal Plain Only					
White Oak	10' x10'						
Yellow Poplar	10' x10'						
White Oak	10' x10'	Not Generally Recommended		Mid-Slopes (Northernly) Intermediate in Soil Moisture and Fertility			

⁴⁻ For Timber Production- If spot planting, wider and variable spacing is suggested.

For non-timber purposes, wider spacing may be appropriate.



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⁵⁻ Specific soil and site conditions are required to produce satisfactory growth. In most cases, rather intensive cultural practices are required during growth. Consult a Forester or your N.C. Forest Service Ranger before making plans.

CONIFERS							
SPECIES	MOUNTAIN	UPPER PIEDMONT	LOWER PIEDMONT	SANDHILLS	COASTAL PLAINS		
Loblolly Pine ³	Cherokee, Clay and Macon to 1500'	Recommended Note No. 1		Not on Deep Sand			
Longleaf Pine ³	Not Re	ecommended	MMM60060		cies for Deep Dry Sand Sites are Acceptable		
Pitch Pine	High Dry Ridges 1400' - 4500'	Not Re	ecommended				
Pond Pine	Not Re	commended I			Pocosin Sites Only Not on Deep Dry Sand		
Shortleaf Pine	Not on Sever	y Eroded Clay Soils Not Recommended					
Virginia Pine	Adapted to Severly	y Eroded Heavy Clay Soils -	Note No. 2	Not Recommended			
White Pine ³	Recommended 1	200' - 3500' - Note No. 2	te No. 2 Not Generally Recommended Note No. 2		Not Recommended - Note No. 2		
Red Cedar	Not Recommended		Note No. 2				
White Cedar (Juniper)	Not Recommended			Not Generally Recommended - Note No. 1	Note No. 1		
Baldcypress	Not Recommended		Not Generally Recommended Note No. 2 Note No. 1		Note No. 1		
Fraser Fir	For Christmas Trees Above 2000'	Not Recommended					
		tions are required to produ		endations are determi	ned by site quality,		

satisfactory growth. These conditions must also be considered when deciding tree spacing. Consult your local Ranger.

Note No. 2 Spacing for Christmas Trees is found in other publications. Consult your local Ranger.

Note No. 3 Genetically improved seedlings of these species are available from the N.C. Division of Forest Resources Nurseries.

Species	Min/ac	Max/ac	
Loblolly Pine	300	725	
Longleaf Pine	500	725	
Shortleaf Pine	450	725	
Virginia Pine	500	800	
White Pine	300	625	

